

Radio

AMATEUR

Call Book Magazine

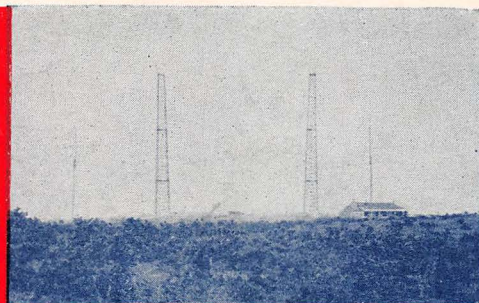
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SPRING, 1939

Wellfleet Wireless
Station
1901
Formerly "CC,"
later "WCC"
Photo Courtesy
RCA



Photograph
Courtesy
Columbia
Broadcasting
System

**NOT
SO BIG**
*that we've
forgotten*

To the amateur must go the major credit for the development of modern broadcasting.

It was the pioneering efforts of these "hams" that forged the mighty chains linking east with west today.

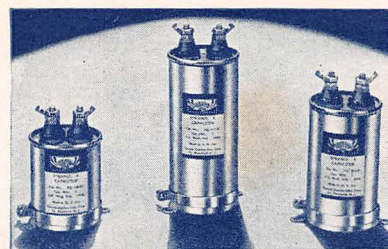
Cornell-Dubilier is proud of the part it has played in supplying the demands of "hams" when radio was in its infancy. For even in those early days, the initials C-D stood for Capacitor Dependability.

Cornell-Dubilier has kept steady pace with the growth of broadcasting. Its name is known wherever wireless messages are transmitted and received. It leads the entire industry today in the production of quality capacitors—dependably built, economically priced.

Cornell-Dubilier is *big* in 1939. But not so big it has forgotten the amateur—the man who has *made* commercial broadcasting possible. Our hats are off to the "HAMS".

MICA • DYKANOL • PAPER • WET & DRY ELECTROLYTICS

* There are quite a number of "hams" today who have copied press reports from this pioneer station.



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Type TQ'S are genuine Dykanol, Fire-proof Transmitting Filter Capacitors that can be mounted vertically or inverted by means of the mounting ring supplied. Equipped with neat porcelain terminals. Real Values—never before offered to the trade.

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SEE THIS CORRUGATED TYPE FILAMENT?

YES, IT GIVES A LARGER EMITTING SURFACE

LOOK AT THE SHIELD BELOW THE FILAMENT

IT PROTECTS THE STEM FROM BEING BOMBARDED

ALL SORTS OF EXTRA FEATURES IN THIS RK 866!

AND IT CONSERVES HEAT, TOO!

AND IT KEEPS ELECTROLYSIS FROM SETTING IN

AND IT COSTS NO MORE THAN ANY OTHER 866!

WHY THOUSANDS OF HAMS ARE SWITCHING TO RAYTHEON RK 866!

only \$1.50

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"WORLD'S LARGEST EXCLUSIVE RADIO TUBE MANUFACTURERS"

RADIO AMATEUR CALL BOOK

MAGAZINE

Radio Amateur Call Book is the only publication listing all licensed radio amateurs throughout the entire world. This is the official call-book for the Radio Society of Great Britain and radio amateur organizations everywhere.

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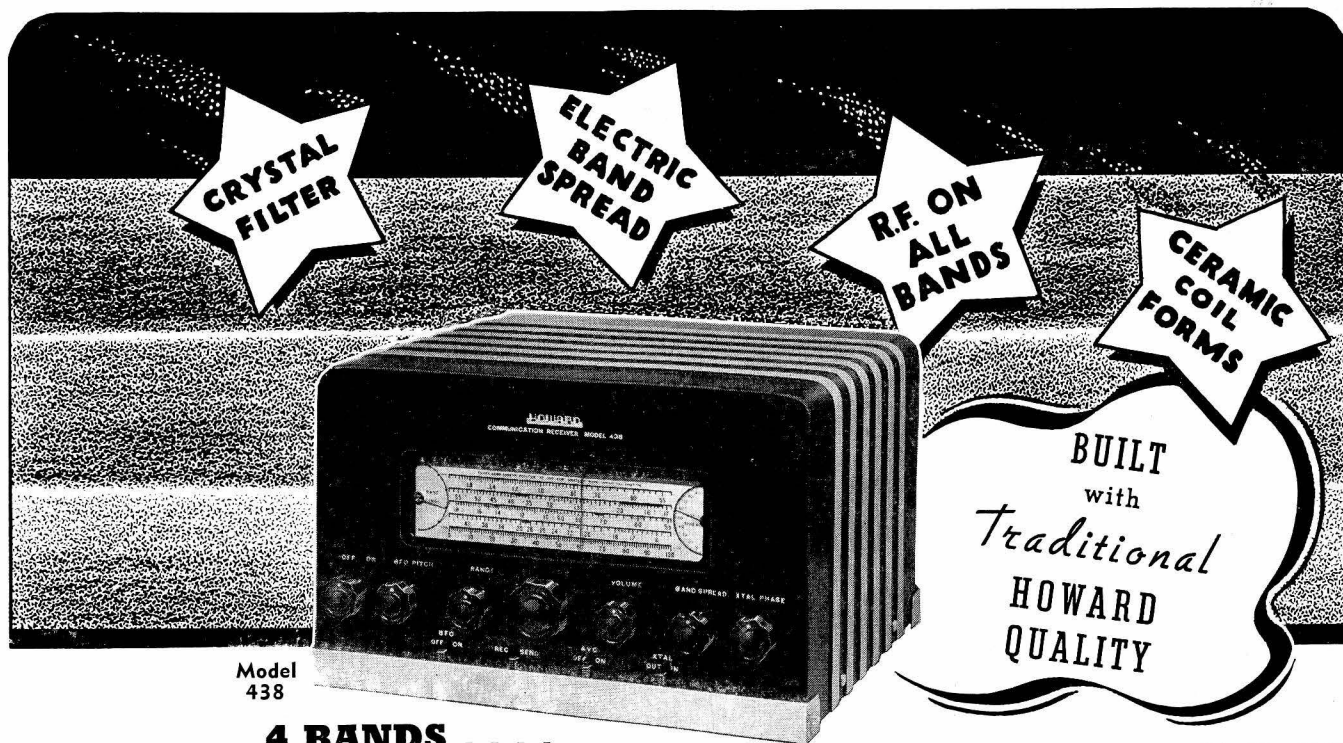
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FIRST DISTRICT	18
Includes Maine, New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut.	
SECOND DISTRICT	34
Includes the counties of metropolitan New York City and Long Island. The following counties in the state of New York: Albany, Columbia, Dutchess, Greene, Orange, Putnam, Rensselaer, Rockland, Schenectady, Ulster and Westchester. New Jersey counties of Bergen, Essex, Hudson, Middlesex, Monmouth, Ocean, Passaic and Union.	
THIRD DISTRICT	54
Includes the States of Delaware, Maryland, Virginia and the District of Columbia. New Jersey counties of Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Hunterdon, Mercer, Morris, Salem, Somerset, Sussex and Warren. The Pennsylvania counties of Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lehigh, Monroe, Montgomery, Northampton, Philadelphia, Schuylkill and York.	
FOURTH DISTRICT	67
Includes the States of Alabama, North Carolina, South Carolina, Georgia, Florida and Tennessee. The prefix K4 is assigned to Porto Rico and the Virgin Islands.	
FIFTH DISTRICT	77
Includes the States of Mississippi, Louisiana, Texas, Oklahoma, New Mexico and Arkansas.	
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Includes the States of California, Nevada, Utah and Arizona. The prefix K6 is assigned to Guam, Hawaii, Midway Island and Samoa.	
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Includes the States of Washington, Oregon, Idaho, Montana and Wyoming. The prefix K7 is assigned to Alaska.	
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Includes all of the counties in New York not in the second district and counties in Pennsylvania not in the third district. The lower peninsula of Michigan and the States of Ohio and West Virginia.	
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Includes the States of Illinois, Indiana, Wisconsin, Minnesota, Kentucky, Kansas, Missouri, Iowa, Colorado, North Dakota, South Dakota, Nebraska and the Upper Peninsula of Michigan.	
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Arranged alphabetically by country. Compiled from official government sources, radio societies and callbook representatives.	

Model
438**4 BANDS****8 TUBES****BUILT-IN SPEAKER****\$49.95**

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HOWARD *Performance* IS THE PROOF!

ANNOUNCED only 90 days ago — the 438 has been welcomed with open arms.

A truly quality instrument that will surprise you in its performing abilities. Model 438 embodies professional features never before associated with equipment in this price class . . . real "DX" with R-9 reception: Ceramic Coil Forms . . . R.F. Stage on all Bands . . . Separate Coils for each Band . . . Xtal Filter . . . Complete Coverage 540

KC — 43 MC . . . Electric Band Spread with vernier control . . . 2-stage Iron Core I.F. . . . Accurately Calibrated Slide Rule Dial . . . 8 Tubes . . . Provision for a 6-volt Power Supply . . . Band-in-use Indicator . . . B.F.O. with Pitch Control . . . 2 Watts Power Output . . . Built-in 6" Dynamic Speaker . . . Head Phone Jack . . . Doublet or Marconi Antennae Connections . . . Provision for External Speaker . . . Provisions for Howard tube type 'R' Meter.

Models to Suit the Individual Tastes of the Most Exacting Amateur and Professional

MODEL 450-A — 12 Tubes — 6 Bands — Frequency Coverage .54 to 65 MC . . . Ceramic Coil Forms . . . Dual I.F. Channels . . . Two S.L.F. Ceramic Insulated Tuning Condensers . . . 47 inches of electric bandspread . . . Crystal Filter . . . Calibrated 'R' Meter . . . Accurately calibrated direct reading dial . . . Price, with Tubes, less Speaker, less Crystal . . . **\$87.50**
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MODEL 430 — 6 Tubes — 4 Bands — Frequency Coverage .54 to 40 MC . . . Ceramic Coil Forms . . . B.F.O. with pitch control . . . Iron Core I.F. transformers . . . Electric bandspread . . . Built-in Dynamic Speaker . . . Headphone jack . . . Accurate direct reading straight line dial . . . Price, Complete with Tubes and Speaker . . . Net **\$29.95**

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Model 430

Model 450-A

Model 440

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Name

Address

City

State

Tell 'Em You Saw It in the Radio Amateur Call Book Magazine

INTERNATIONAL PREFIXES

The following are considered separate countries. Characters in () designate the continent and zone in which the country is located. Example 1: U5 is considered a separate country, it is on the continent of Europe in the sixteenth zone. Example 2: KF6 is on the continent of Oceania in the thirty-first zone and any ONE Island will constitute the group and be considered a separate country.

NA—North America SA—South America E—Europe	A—Asia AF—Africa O—Oceania				
AC4 (A-23)	TIBET	K4 (NA-8)	PORTO RICO	VP6 (NA-8)	BARBADOS
AR (A-20)	SYRIA	K4, KB4 (NA-8)	VIRGIN IS.	VP7 (NA-8)	BAHAMA IS.
CE (SA-12)	CHILE	K5, NY (NA-7)	CANAL ZONE	VP8 (SA-13)	FALKLAND IS.
CM-CO (NA-8)	CUBA	K6 (O-31)	HAWAIIAN IS.	VP8 (SA-13)	SOUTH GEORGIA
CN1 (AF-33)	TANGIER ZONE	KB6 (O-27)	GUAM	VP8 (SA-13)	SOUTH ORKNEY IS.
CN8 (AF-33)	MOROCCO (French)	KC6 (O-31)	WAKE I.	VP8 (SA-13)	SOUTH SHETLAND IS.
CP (SA-10)	BOLIVIA	KD6 (O-31)	MIDWAY I.	VP9 (NA-5)	BERMUDA IS.
CR4 (AF-35)	CAPE VERDE IS.	KE6 (O-31)	JOHNSTON I.	VQ2 (AF-36)	NORTHERN RHODESIA
CR5 (AF-35)	PORTUGUESE GUINEA	KE6 (O-31)	BAKER, HOWLAND & AM. PHOENIX IS.	VQ3 (AF-37)	TANGANYIKA
CR6 (AF-36)	ANGOLA	KG6 (O-30)	JARVIS I.	VQ4 (AF-37)	KENYA
CR7 (AF-37)	MOZAMBIQUE	KH6 (O-32)	SAMOA (U.S.)	VQ5 (AF-37)	UGANDA
CR8 (A-22)	PORTUGUESE INDIA	K7 (NA-1)	ALASKA	VQ6 (AF-37)	BRITISH SOMALILAND
CR9 (A-24)	MACAU	LA (E-14)	NORWAY	VQ8 (AF-39)	CHAGOS IS.
CR10 (O-28)	TIMOR I.	LU (SA-13)	ARGENTINA	VQ8 (AF-39)	MAURITIUS
CT1 (E-14)	PORTUGAL	LX (E-14)	LUXEMBOURG	VQ9 (AF-39)	SEYCHELLES
CT2 (AF-14)	AZORES IS.	LY (E-15)	LITHUANIA	VR1 (O-31)	GILBERT & ELLICE IS. & OCEAN I.
CT3 (AF-33)	MADERIA IS.	LZ (E-20)	BULGARIA	VR2 (O-32)	FIJI IS.
CX (SA-13)	URUGUAY	MX (A-24)	MANCHUKUO	VR3 (O-31)	FANNING IS.
D (E-14)	GERMANY	OA (SA-10)	PERU	VR4 (O-31)	SOLOMON IS.
EA (E-14)	SPAIN	OH (E-15)	FINLAND	VR5 (O-32)	TONGA (Friendly) IS.
EA6 (E-14)	BALEARIC IS.	OK (E-15)	CZECHOSLOVAKIA	VR6 (O-32)	PITCAIRN I.
EA8 (AF-33)	CANARY IS.	ON (E-14)	BELGIUM	VS1 (A-28)	STRAITS SETTLEMENTS
EA9 (AF-33)	MOROCCO (Spanish)	OQ5 (AF-36)	BELGIAN CONGO	VS2 (A-28)	FED. MALAY STATES
EI (E-14)	IRELAND	OX (NA-40)	GREENLAND	VS3 (A-28)	NON-FED. MALAY STATES
EL (AF-35)	LIBERIA	OY (E-14)	FAEROES IS.	VS4 (O-28)	BRITISH NORTH BORNEO
EP (A-21)	IRAN (exPersia)	OY (E-40)	JAN MAYEN I.	VS5 (O-28)	SARAWAK
ES (E-15)	ESTONIA	OZ (E-14)	DENMARK	VS6 (A-24)	HONG KONG
F (E-14)	FRANCE	PA (E-14)	NETHERLANDS	VS7 (A-22)	CEYLON
FA (AF-33)	ALGERIA	PJ (SA-9)	CURACAO	VS9 (A-22)	MALDIVES IS.
FB8 (AF-39)	MADAGASCAR	PK1, 2, 3 (O-28)	JAVA	VU (A-22)	INDIA
FD8 (AF-35)	TOGOLAND (French)	PK4 (O-28)	SUMATRA	VU7 (A-21)	BAHRAIN IS.
FE8 (AF-36)	CAMEROONS (French)	PK5 (O-28)	BORNEO (Neth. Indies)	W (NA-3-4-5)	UNITED STATES
FF8 (AF-35)	FR. WEST AFRICA	PK6 (O-28)	CELEBES & MOLUCCA IS.	XE (NA-6)	MEXICO
FG8 (NA-8)	GUADELOUPE	PK6 (O-28)	NEW GUINEA (Neth. Indies)	XU (A-23-24)	CHINA
FI8 (A-26)	FR. INDO-CHINA	PX (AF-36)	ANGOLA	XZ (A-26)	BURMA
FK8 (O-32)	NEW CALEDONIA	PY (SA-11)	BRAZIL	YA (A-21)	AFGHANISTAN
FL8 (AF-37)	FRENCH SOMALILAND	PZ (SA-9)	SURINAM	YI (A-21)	IRAQ
FM8 (NA-8)	MARTINIQUE	SM (E-14)	SWEDEN	YJ (see FU8, not a separate country)	
FN (A-22)	FRENCH INDIA	SP (E-15)	POLAND	YL (E-15)	LATVIA
FO8 (O-32)	TAHITI	ST (AF-34)	SUDAN	YM (E-15)	DANZIG
FP8 (NA-5)	MIQUELON & ST. PIERRE IS.	SU (AF-34)	EGYPT	YN (NA-7)	NICARAGUA
FQ8 (AF-36)	FR. EQUATORIAL AFRICA	SV (E-20)	CRETE	YR (E-20)	ROMANIA
FR8 (AF-39)	REUNION	SV (E-20)	GREECE	YS (NA-7)	SALVADOR
FT4 (AF-33)	TUNIS	TA (E & A-20)	TURKEY	YT-YU (E-15)	YUGOSLAVIA
FU8, YJ (O-32)	NEW HEBRIDES	TF (E-40)	ICELAND	YV (SA-9)	VENEZUELA
FY8 (SA-9)	FRENCH GUIANA	TG (NA-7)	GUATEMALA	ZA (E-15)	ALBANIA
G (E-14)	CHANNEL IS.	TI (NA-7)	COSTA RICA	ZB1 (E-15)	MALTA
G (E-14)	ENGLAND	U1-3-4-7 (E-16)	European R.S.F.S.R.	ZB2 (E-14)	GIBRALTAR
GI (E-14)	ISLE OF MAN	U2 (E-16)	White R.S.S.R.	ZC1 (A-20)	TRANSJORDANIA
GL (E-14)	NORTHERN IRELAND	U5 (E-16)	Ukrainian S.S.R.	ZC2 (O-28)	COCOS IS.
GM (E-14)	SCOTLAND	U6 (E-16)	Transcaucasian S.F.S.R.	ZC3 (O-31)	CHRISTMAS IS.
GW (E-14)	WALES	U8 (A-17)	Uzbek S.S.R.	ZC4 (E-20)	CYPRUS
HA (E-15)	HUNGARY	U8 (A-17)	Turkoman S.S.R.	ZC6 (A-20)	PALESTINE
HB (E-14)	SWITZERLAND	U9-0 (A-18-19)	Asiatic S.F.S.R.	ZD1 (AF-35)	SIERRA LEONE
HC (SA-10)	ECUADOR	VE (NA-1 to 5)	CANADA	ZD2 (AF-35)	NIGERIA
HH (NA-8)	HAITI	VK (O-29-30)	AUSTRALIA	ZD3 (AF-35)	GAMBIA
HI (NA-8)	DOMINICAN REP.	VK4 (O-28)	PAPUA TERRITORY	ZD4 (AF-35)	GOLD COAST & TOGOLAND (British)
HK (SA-9)	COLOMBIAN REP.	VK7 (O-30)	TASMANIA	ZD6 (AF-37)	NYASALAND
HP (NA-7)	PANAMA	VK9 (O-28)	NEW GUINEA (Ter. of)	ZD7 (AF-36)	SAINT HELENA
HR (NA-7)	HONDURAS	VO (NA-5)	NEWFOUNDLAND & LABRADOR (NA-2)	ZD8 (AF-36)	ASCENSION I.
HS (A-26)	SIAM	VP1 (NA-7)	BRITISH HONDURAS	ZD9 (AF-38)	TRISTAN DA CUNHA
HZ (A-21)	HEDJAZ	VP1 (AF-37)	ZANZIBAR	ZE (AF-38)	SOUTHERN RHODESIA
I (E-15)	ITALY	VP2 (NA-8)	LEEWARD IS.	ZK1 (O-32)	COOK IS.
I7 (AF-37)	ETHIOPIA	VP2 (NA-8)	WINDWARD IS.	ZK2 (O-32)	NIUE
I (A-25)	JAPAN	VP3 (SA-9)	BRITISH GUIANA	ZL (O-32)	NEW ZEALAND
J8 (A-25)	CHOSEN (Korea)	VP4 (SA-9)	TRINIDAD & TOBAGO IS.	ZM (O-32)	SAMOA (Western)
J9 (O-31)	MARSHALL IS.	VP5 (NA-8)	CAYMAN IS.	ZP (SA-11)	PARAGUAY
J9 (A-24)	TAIWAN (Formosa)	VP5 (NA-8)	JAMAICA	ZS (AF-38)	SOUTH AFRICA (Union of)
KA (O-27)	PHILIPPINE IS.	VP5 (NA-8)	TURKS & CAICOS IS.	ZS3 (AF-38)	SOUTHWEST AFRICA

R-S-T Reporting System

(Originated by W2BSR)

Readability

- 1—UNREADABLE.
- 2—BARELY READABLE—OCCASIONAL WORDS DISTINGUISHABLE.
- 3—READABLE WITH CONSIDERABLE DIFFICULTY.
- 4—READABLE WITH PRACTICALLY NO DIFFICULTY.
- 5—PERFECTLY READABLE.

Signal Strength

- 1—FAINT—SIGNALS BARELY PERCEPTIBLE.
- 2—VERY WEAK SIGNALS.
- 3—WEAK SIGNALS.
- 4—FAIR SIGNALS.
- 5—FAIRLY GOOD SIGNALS.

- 6—GOOD SIGNALS.
- 7—MODERATELY STRONG SIGNALS.
- 8—STRONG SIGNALS.
- 9—EXTREMELY STRONG SIGNALS

tone

- 1—EXTREMELY ROUGH, HISSING NOTE.
- 2—VERY ROUGH A.C. NOTE—NO TRACE OF MUSICALITY.
- 3—ROUGH, LOW-PITCHED A.C. NOTE—SLIGHTLY MUSICAL.
- 4—RATHER ROUGH A.C. NOTE—MODERATELY MUSICAL.
- 5—MUSICALLY MODULATED NOTE.
- 6—MODULATED NOTE—SLIGHT TRACE OF WHISTLE.
- 7—NEAR D.C. NOTE—SMOOTH RIPPLE.
- 8—GOOD D.C. NOTE—JUST TRACE OF RIPPLE.
- 9—PUREST D.C. NOTE.

IF THE NOTE APPEARS TO BE CRYSTAL CONTROLLED, SIMPLY ADD AN X AFTER THE APPROPRIATE NUMBER.

At Last!

A SINGLE TUBE 150 WATT XTAL RIG

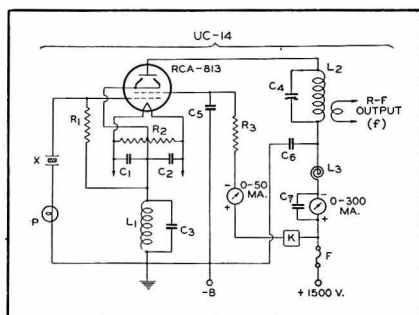
WITH THE
RCA 813!
A Beam Power Tetrode

**GIVES PHENOMENAL RESULTS
AS A HIGH-POWERED
CRYSTAL OSCILLATOR**



AMATEUR NET

\$28⁵⁰



C₁ C₂ C₇ = 0.002 mf, MICA
C₃ = 0.0001 mf, MICA
C₄ = 1.5 mmf per METER
C₅ = 0.001 mf, 2000 V. MICA
C₆ = 0.002 mf, 5000 V. MICA
R₁ = 30,000 OHMS, WIRE-WOUND
R₂ = 50 OHMS, C.T., WIRE-WOUND
R₃ = 50,000 OHMS, 25 WATTS
L₁ = 100 TURNS NO. 24 D. C. C.
on 1-1/4" Diameter Form
L₂ = FOR FREQUENCY "f"
L₃ = R-F CHOKE, 250 MA. D.C.
F = 1/4 A. HIGH-VOLTAGE FUSE
K = SEE NOTE
X = CRYSTAL, FREQUENCY "f"
P = 2.0-VOLT, 60-MA. PILOT

Note: "K" is a high-voltage keying relay, insulated for 2500 Volts. Do not use an ordinary key in this position under any circumstances.

Oscillator can be plate-modulated as well as keyed!

Here's the news you have been waiting for! A one-tube crystal-controlled 'phone or cw transmitter is a reality with the new RCA 813 beam power tetrode! Severe tests made in plate-modulated service prove that 100% modulation can be obtained with good linearity, low distortion, a plate circuit efficiency of 60% and a carrier output of 100 watts! Equally trying tests in cw telegraphy service with 80 and 40

meter crystals respectively, prove that a power output of 150 watts can be obtained—and excellent keying can be accomplished in the screen circuit! In neither case is the r-f crystal current excessive.

The circuit used to achieve these remarkable results is the Reinartz Tetrode Crystal Oscillator arrangement shown in the diagram at left. The same circuit constants can be used for either cw or 'phone operation.

Listen to the Magic Key every Sunday, 2 to 3 P. M., E. S. T., on the NBC Blue Network

Refer to December Ham Tips for further information



Radio Tubes

First in metal
Foremost in glass
Finest in performance

RCA MANUFACTURING CO., INC., CAMDEN, NEW JERSEY
A SERVICE OF THE RADIO CORPORATION OF AMERICA

Tell 'Em You Saw It in the Radio Amateur Call Book Magazine

PREFIXES—BY COUNTRIES

The following countries are listed in the same alphabetical order as they appear in the foreign section. When a country is followed by (see under) it is listed under the country referred to. Example: GM, Scotland is listed under Great Britain in the foreign section. Figures in () show the amount of postage required when mailing from the United States and Possessions. The first figure is for letters (first ounce or fraction) and the second for postal cards (QSLs).

AFGHANISTAN	(5, 3)	YA	GERMANY	(5, 3)	D	PALESTINE	(5, 3)	ZC6
ALASKA	(3, 1)	K7	GIBRALTAR	(5, 3)	ZB2	PANAMA	(3, 2)	HP
ALBANIA	(5, 3)	ZA	GILBERT & ELLICE IS.	(5, 3)	VR1	PAPUA TERRITORY	(see under Australia)	
ALGERIA	(5, 3)	FA	GOA	(see Portuguese India)		PARAGUAY	(3, 2)	ZP
ANDORRA	(5, 3)	PX	GOLD COAST	(5, 3)	ZD4	PERSIA	(see Iran)	
ANGOLA	(5, 3)	CR6	GREAT BRITAIN	(5, 3)	G	PERU	(3, 2)	OA
ANTIGUA	(5, 3)	VP2	GREECE	(5, 3)	SV	PHILIPPINE IS.	(3, 1)	KA
ARGENTINA	(3, 2)	LU	GREENLAND	(5, 3)	OX	PHOENIX IS. (U. S.)	(3, 1)	KP6
ASCENSION I.	(5, 3)	ZD8	GRENADA	(5, 3)	VP2	PITCAIRN I.	(5, 3)	VR6
AUSTRALIA	(5, 3)	VK	GUADELOUPE	(5, 3)	FG8	POLAND	(5, 3)	SP
AZORES IS.	(5, 3)	CT2	GUAM	(3, 1)	KB6	PORTO RICO	(3, 1)	K4
BAHAMA IS.	(5, 3)	VP7	GUATEMALA	(3, 2)	TG	PORTUGAL	(5, 3)	CT1
BAHRAIN IS.	(5, 3)	VU7	GUIANA (Netherlands)	(see under Surinam)		PORTUGUESE GUINEA	(5, 3)	CR5
BAKER I.	(3, 1)	KF6	HAITI	(3, 2)	HH	PORTUGUESE INDIA	(5, 3)	CR8
BALEARIC IS.	(see under Spain)		HAWAIIAN IS.	(3, 1)	K6	REUNION IS.	(5, 3)	FR8
BARBADOS	(5, 3)	VP6	HEDJAZ	(5, 3)	HZ	ROUMANIA	(5, 3)	YR
BELGIAN CONGO	(5, 3)	OQ5	HONDURAS	(3, 2)	HR	SAINT HELENA	(5, 3)	ZD7
BELGIUM	(5, 3)	ON	HONG KONG	(5, 3)	VS6	SAINT KITTS	(5, 3)	VP2
BERMUDA IS.	(5, 3)	VP9	HOWLAND I.	(3, 1)	KF6	SAINT LUCIA	(5, 3)	VP2
BOLIVIA	(3, 2)	CP	HUNGARY	(5, 3)	HA	SAINT VINCENT	(5, 3)	VP2
BORNEO (Br. North)	(5, 3)	VS4	ICELAND	(5, 3)	TF	SALVADOR	(3, 2)	YS
BORNEO (Neth. Indies)	(see under Neth. Indies)		INDIA	(5, 3)	VU	SAMOA (U. S.)	(3, 1)	KH6
BRAZIL	(3, 2)	PY	IRAN (ex-Persia)	(5, 3)	EP	SAMOA (Western)	(5, 3)	ZM6
BRITISH GUIANA	(5, 3)	VP3	IRAQ	(5, 3)	YI	SARAWAK	(5, 3)	VS5
BRITISH HONDURAS	(5, 3)	VP1	IRELAND	(5, 3)	EI	SCOTLAND	(see under Great Britain)	
BR. SOLOMON IS.	(5, 3)	VR4	ISLE OF MAN	(see under Great Britain)		SEYCHELLES	(5, 3)	VQ9
BULGARIA	(5, 3)	LZ	ITALY	(5, 3)	I	SIAM	(5, 3)	HS
BURMA	(5, 3)	XZ	JAMAICA	(5, 3)	VP5	SIBERIA	(see U. S. S. R.)	
CAMEROONS (British)	(see under Nigeria)		JAN MAYEN I.	(5, 3)	OY	SIERRA LEONE	(5, 3)	ZD1
CAMEROONS (French)	(5, 3)	FE8	JAPAN	(5, 3)	J	SOMALILAND (British)	(5, 3)	VL6
CANADA	(3, 2)	VE	JARVIS I. (Palmyra group)	(3, 1)	KG6	SOMALILAND (French)	(5, 3)	VL8
CANAL ZONE	(3, 1)	K5, NY	JAVA	(see under Neth. Indies)		SOUTH AFRICA	(5, 3)	ZS
CANARY IS.	(see under Spain)		JOHNSTON I.	(3, 1)	KE6	SOUTH GEORGIA	(5, 3)	VP8
CAPE VERDE IS.	(5, 3)	CR4	KENYA	(5, 3)	VQ4	SOUTH ORKNEY IS.	(5, 3)	VP8
CAYMAN IS.	(5, 3)	VP5	LABRADOR	(see under Newfoundland)		SOUTH SHETLAND IS.	(5, 3)	VP8
CELEBES IS.	(see under Neth. Indies)		LATVIA	(5, 3)	YL	SOUTHERN RHODESIA	(5, 3)	ZE
CEYLON	(5, 3)	VS7	LEEWARD IS.	(Alphabetically listed by Islands)		SOUTHWEST AFICA	(see under South Africa)	
CHAGOS IS.	(see under Mauritius)		LIBERIA	(5, 3)	EL	SPAIN	(3, 2)	EA
CHANNEL IS.	(see under Great Britain)		LITHUANIA	(5, 3)	LY	STRAITS SETT.	(see under Malaya)	
CHILE	(3, 2)	CE	LUXEMBOURG	(5, 3)	LX	SUDAN	(5, 3)	ST
CHINA	(5, 3)	XU	MACAU	(5, 3)	CR9	SUMATRA	(see under Neth. Indies)	
CHOSEN (Korea)	(see under Japan)		MADAGASCAR	(5, 3)	FB8	SURINAM	(5, 3)	PZ
CHRISTMAS I.	(5, 3)	ZC3	MADEIRA IS.	(5, 3)	CT3	SWEDEN	(5, 3)	SM
COCOS IS.	(5, 3)	ZC2	MALAYA	(5, 3)	VS	SWITZERLAND	(5, 3)	HB
COLOMBIAN REP.	(3, 2)	HK	MALDIVES IS.	(5, 3)	VS9	SYRIA	(5, 3)	AR
COOK IS.	(5, 3)	ZK1	MALTA	(5, 3)	ZB1	TAHITI	(5, 3)	FO8
COSTA RICA	(3, 2)	TI	MANCHUKUO	(5, 3)	MX	TAIWAN (Formosa)	(see under Japan)	
CRETE	(see under Greece)		MARSHALL IS.	(see under Japan)		TANGANYIKA	(5, 3)	VQ3
CUBA	(3, 2)	CM, CO	MARTINIQUE	(5, 3)	FM8	TANGIER ZONE	(5, 3)	CN1
CURACAO	(5, 3)	PJ	MAURITIUS	(5, 3)	VQ8	TASMANIA	(see under Australia)	
CYPRUS	(5, 3)	ZC4	MEXICO	(3, 2)	XE	TIBET	(5, 3)	AC4
CZECHOSLOVAKIA	(5, 3)	OK	MIDWAY I.	(3, 1)	KD6	TIMOR (Portuguese)	(5, 3)	CR10
DANZIG	(5, 3)	YM	MIQUELON & ST. PIERRE IS.	(5, 3)	FP8	TOBAGO	(5, 3)	VP4
DENMARK	(5, 3)	OZ	MOLUCCA IS.	(see under Neth. Indies)		TOGOLAND (British)	(5, 3)	ZD4
DOMINICA	(3, 2)	VP2	MOROCCO (French)	(5, 3)	CN8	TOGOLAND (French)	(5, 3)	FD8
DOMINICAN REP.	(3, 2)	HI	MOROCCO (Spanish)	(see under Spain)		TONGA (Friendly) IS.	(5, 3)	VR5
DUTCH EAST INDIES	(see Neth. Indies)		MOZAMBIQUE	(5, 3)	CR7	TRANSJORDANIA	(5, 3)	ZC1
ECUADOR	(3, 2)	HC	NETHERLANDS	(5, 3)	PA, PK	TRINIDAD	(5, 3)	VP4
EGYPT	(5, 3)	SU	NETHERLAND INDIES	(5, 3)	PK	TRISTAN DA CUNHA	(5, 3)	ZD9
ELLICE IS.	(see under Gilbert & Ellice Is.)		NETH. WEST INDIES	(see under Curacao)		TUNIS	(5, 3)	FT4
ENGLAND	(see under Great Britain)		NEW CALEDONIA	(5, 3)	FK8	TURKEY	(5, 3)	TA
ESTONIA	(5, 3)	ES	NEWFOUNDLAND	(3, 2)	VO	TURKS & CAICOS IS.	(5, 3)	VP5
ETHIOPIA	(5, 3)	I7	NEW GUINEA (Neth. Indies)	(see under Neth. Indies)		UGANDA	(5, 3)	VQ5
FAEROES IS.	(5, 3)	OY	NEW GUINEA (Ter. of)	(see under Australia)		UNITED STATES	(3, 1)	W
FALKLAND IS.	(5, 3)	VP8	NEW HEBRIDES	(5, 3)	FU8, YJ	U. S. NAVAL COMMUNICATION		
FANNING I.	(5, 3)	VR3	NEW ZEALAND	(5, 3)	ZL	RESERVE STATIONS	(3, 1)	N
FED. MALAY STATES	(see under Malaya)		NICARAGUA	(3, 2)	YN	URUGUAY	(3, 2)	CX
FIJI IS.	(5, 3)	VR2	NIGERIA	(5, 3)	ZD2	U. S. S. R.	(5, 3)	U
FINLAND	(5, 3)	OH	NIUE	(5, 3)	ZK2	VENEZUELA	(3, 2)	YV
FRANCE	(5, 3)	F	NON-FED. MALAY STATES	(see under Malaya)		VIRGIN IS.	(3, 1)	K4, KB4
FR. EQUATORIAL AFRICA	(5, 3)	FQ8	NORTHERN IRELAND	(see under Great Britain)		WAKE IS.	(3, 1)	KC6
FRENCH GUIANA	(5, 3)	FY8	NORTHERN RHODESIA	(5, 3)	VQ2	WALES	(see under Great Britain)	
FRENCH INDIA	(5, 3)	FN	NORWAY	(5, 3)	LA	WINDWARD IS.	(Alphabetically listed by Islands)	
FR. INDO-CHINA	(5, 3)	FI8	NYASALAND	(5, 3)	ZD6	YUGOSLAVIA	(5, 3)	YT, YU
FRENCH W. AFRICA	(5, 3)	FF8	OCEAN I.	(see Gilbert & Ellice Is.)		ZANZIBAR	(5, 3)	VP1
GAMBIA	(5, 3)	ZD3						

NOTICE TO RADIO AMATEURS

We are often requested to change the first or middle name, or to include professional titles. For obvious reasons this can be done only when it becomes necessary to change the address.

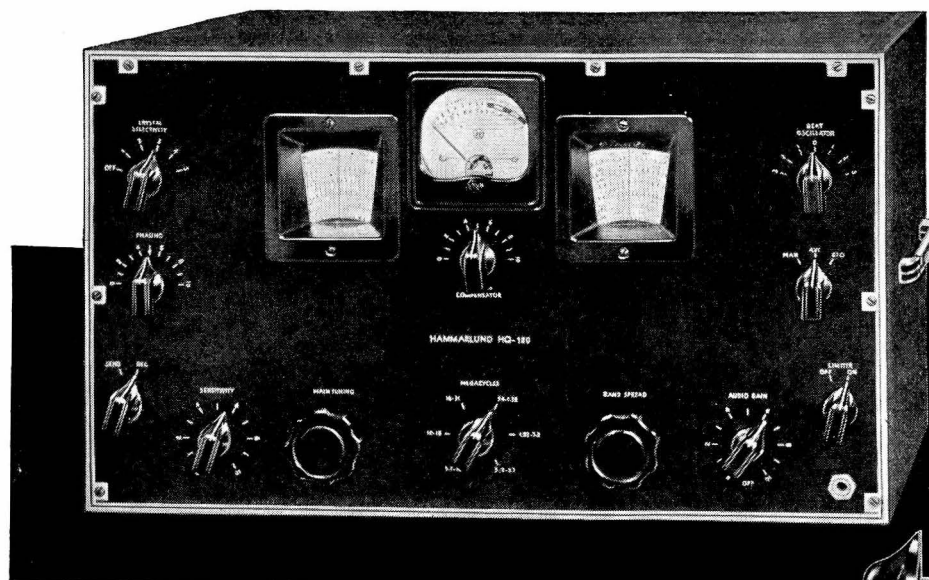
Your attention is invited to our bold face listing service. For one dollar you can have your call listed in ten point Memphis bold type for a full year—(four issues). If your listing requires more than three lines add twenty-five cents for each additional line. (Mention of commercial affiliations can not be accepted).

In case you desire to have your nickname mentioned in your QRA we suggest that you subscribe for a bold face listing.

Please do not ask us to include the fact that you are a member of a military or naval radio organization as we have been requested to omit this.

Also our policy of mentioning ex-calls in the regular listings has been discontinued. If you want this included may we again suggest a bold face listing.

THE PUBLISHERS.

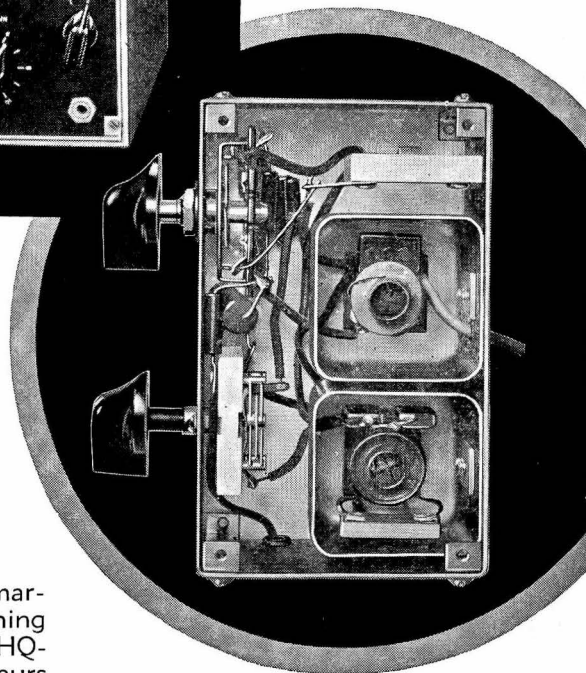


Tuning range: 31 - .54 megacycles (9.7 - 555 meters). Complete with crystal, tubes, and 10" P.M. dynamic speaker at a price well within the reach of every ham.

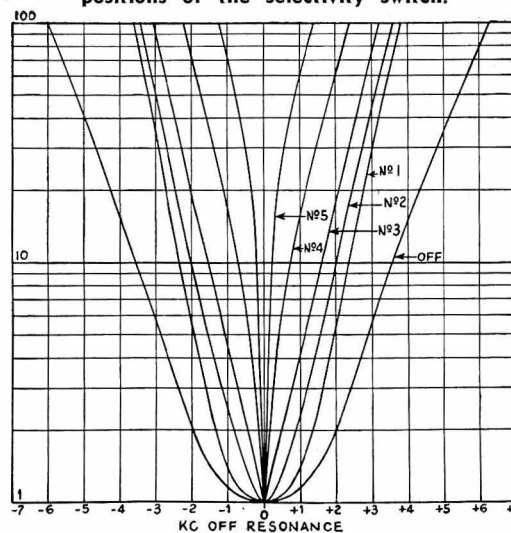
HQ-120 with *Full Range* CRYSTAL FILTER

THE "HQ-120," in the few months that it has been on the market, has won the admiration and approval of everyone coming in contact with it. The tremendous success enjoyed by the "HQ-120" is due to its many new and outstanding features. Amateurs everywhere are talking about the new variable selectivity crystal filter. The fact that this crystal filter performs equally as well on phone as C.W. has given phone men new hope of breaking through heavy Q.R.M. present in all phone bands. There are six ranges of selectivity — three ranges for phone and two for C.W. In the sixth range, the crystal is out of the circuit. Selectivity curves for the various ranges are shown in the illustration. The advantage of using the crystal filter for radiophone reception lies in the ability to phase out heterodyne interference. The phasing control has no unbalancing effect and does not cause detuning. There is no interlocking in the crystal filter.

To improve reception on the 10 and 20 meter bands, the "HQ-120" has a very effective noise limiter. Interference from automobile ignition systems and similar types of disturbances can be reduced to a minimum. Because of special circuit design, the "S" meter incorporated in the "HQ-120" provides a very accurate check on signal strength. This "S" meter is calibrated in "S" units from 1 to 9 and up to 40 db above "S-9." There are many other features that make this an outstanding receiver for its moderately low price. The R.F. sensitivity is really remarkable; extremely weak stations can be tuned in with a minimum of background noise.



Curves of I.F. amplifier including five positions of the selectivity switch.



Write Dept. CB-1 for 16-page booklet giving complete details



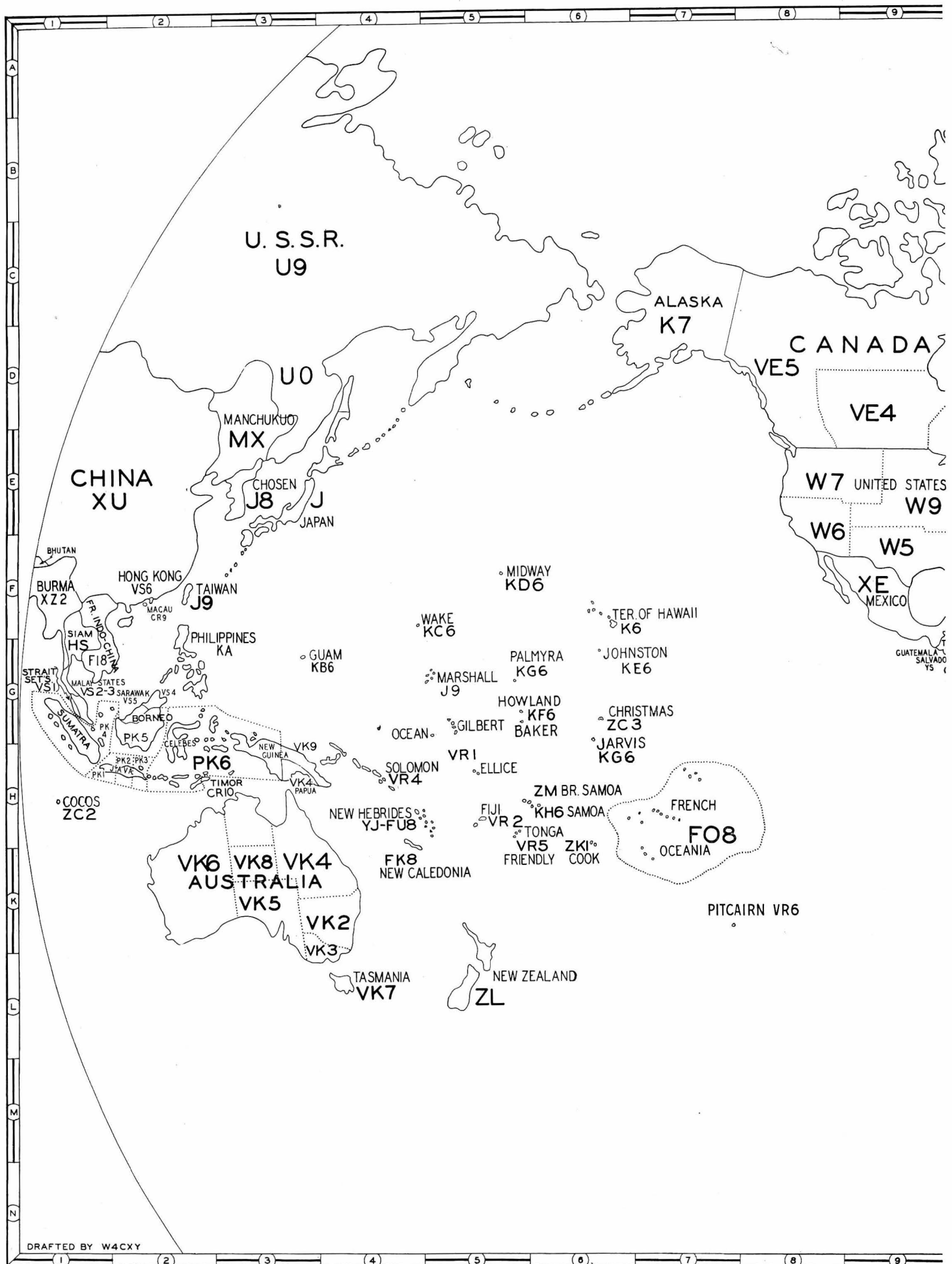
HAMMARLUND MFG. CO., INC.
424-438 WEST 33rd ST., NEW YORK

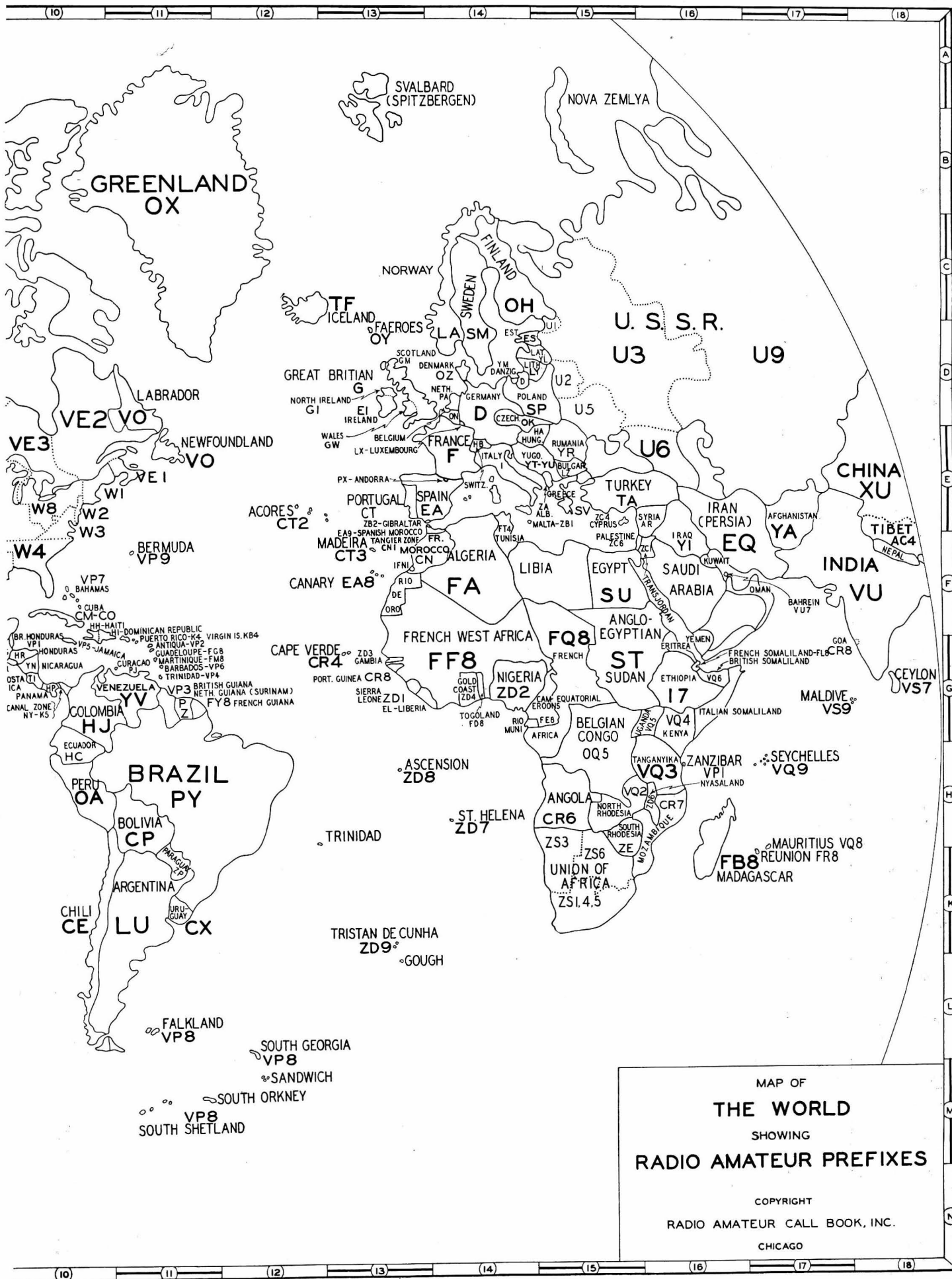


Canadian Office: 41 West Av., No., Hamilton, Ontario

Tell 'Em You Saw It in the Radio Amateur Call Book Magazine

AMATEUR PREFIXES





WORLD TIME CONVERSION CHART IN HOURS

Greenwich Meridian Time, London, Eng- land.	Central Europe, Ber- lin, Geneva, Stock- holm, Vienna.	Eastern Europe, Ath- ens, Cape Town.	Arabia, Armenia, Ma- dagasc.	Mauritius, Persia, Reunion Island.	Central Russia, Bom- bay, India.	Calcutta, Novosi- birsk, Russia, Tibet.	French Indo China, Siam, Sumatra.	Philippine Islands, Perth, Australia.	Central Australia, Tokyo, Japan.	Eastern Australia, Melbourne, Sydney.	New Caledonia, New Zealand.	International Date Line.	Fiji Islands.	Norfolk, Alaska.	Samoa Islands.	Hawaiian Islands.	Eastern Alaska, Dawson, Juneau.	Pacific Standard Time, Los Angeles.	Seattle.	Mountain Standard Time, Calgary, Den- ver, Phoenix.	Central Standard Time, Chicago, Costa Rica.	Eastern Standard Time, Montreal, New York, Peru.	Atlantic Standard Time, Argentina, Nova Scotia.	Greenland, Rio de Janeiro, Brazil.	Azores.	Iceland, Canary Islands.	
0000	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	10PM	10PM	11PM
0100	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	10PM	11PM	11PM	Mid Night
0200	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	10PM	11PM	11PM	Mid Night	1AM
0300	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	10PM	11PM	11PM	Mid Night	2AM	2AM
0400	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	10PM	11PM	11PM	Mid Night	2AM	3AM	3AM
0500	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	10PM	11PM	11PM	Mid Night	2AM	3AM	4AM	4AM
0600	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	6PM	7PM	8PM	9PM	10PM	11PM	10PM	11PM	11PM	Mid Night	2AM	3AM	4AM	5AM	5AM
0700	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	7PM	8PM	9PM	10PM	11PM	10PM	11PM	11PM	Mid Night	2AM	3AM	4AM	5AM	6AM	6AM
0800	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	8PM	9PM	10PM	11PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	7AM
0900	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	9PM	10PM	11PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	8AM
1000	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	10PM	11PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	9AM
1100	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	11PM	Mid Night	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	10AM	11AM	10AM
1200	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	10AM	11AM	11AM	11AM
1300	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	2AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	10AM	11AM	11AM	11AM	11AM
1400	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	3AM	3AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	10AM	11AM	11AM	11AM	11AM	Noon
1500	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	4AM	4AM	4AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	10AM	11AM	11AM	11AM	11AM	11AM	Noon
1600	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	5AM	5AM	5AM	5AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	10AM	11AM	11AM	11AM	11AM	11AM	11AM	1PM
1700	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	6AM	6AM	6AM	6AM	6AM	6AM	7AM	8AM	9AM	10AM	11AM	10AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	2PM
1800	7PM	8PM	9PM	10PM	11PM	Mid Night	7AM	7AM	7AM	7AM	7AM	7AM	7AM	8AM	9AM	10AM	11AM	10AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	3PM
1900	8PM	9PM	10PM	11PM	Mid Night	8AM	8AM	8AM	8AM	8AM	8AM	8AM	8AM	9AM	10AM	11AM	10AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	4PM
2000	9PM	10PM	11PM	Mid Night	9AM	9AM	9AM	9AM	9AM	9AM	9AM	9AM	9AM	10AM	11AM	10AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	5PM
2100	10PM	11PM	Mid Night	1AM	2AM	1AM	2AM	2AM	2AM	2AM	2AM	2AM	2AM	3AM	4AM	3AM	4AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	6PM
2200	11PM	Mid Night	1AM	2AM	3AM	2AM	3AM	3AM	3AM	3AM	3AM	3AM	3AM	4AM	5AM	4AM	5AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	7PM
2300	Mid Night	1AM	2AM	3AM	4AM	3AM	4AM	4AM	4AM	4AM	4AM	4AM	4AM	5AM	6AM	5AM	6AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	11AM	8PM
																											9PM
																											10PM

With this chart you can convert standard time in any time zone to GMT or tell what time it is in other parts of the world. To correctly use this chart visualize each horizontal line as a complete circle. From your time zone tracing horizontally to the right (Counter Clockwise) it will be tomorrow when you pass midnight and yesterday when you pass the international date line. To the left (Clockwise) it will be yesterday when you pass midnight and tomorrow when you pass the international date line. There is no change in date when you pass both midnight and the international date line going in the same direction. For instance at 8 PM in New York Eastern Standard Time it is 2 AM tomorrow in Berlin, Germany and 11 AM tomorrow in Sydney, Australia. Always trace in the shortest direction from your time zone to find what time it is in any other zone. Copyright 1938 Radio Amateur Call Book, Inc., Chicago, USA.

Announcing the NEW Skyrider 23



AS an experimental model in the Hallicrafters laboratory, the Skyrider 23 was designed and redesigned, built and rebuilt, until it included all the basic features that the majority of amateurs want and need for good communications reception. Even as late as a year ago, it was not practical to build a receiver that so nearly approaches the ideal as this new Skyrider 23. But with the rapid progress of the art of radio parts manufacture, we can today offer the Skyrider 23 and include such outstanding new features as Temperature Compensated I.F. Transformer Units, that provide practical frequency stability in the Skyrider 23.

There are other new features in this unconventional, functionally-designed receiver, features that can only be fully appreciated by actually seeing or operating the Skyrider 23. It is unique in many respects, the latest developments in the art of building communications receivers. Ask your dealer to show you the Skyrider 23. Write today for completely illustrated and fully descriptive booklet!

the hallicrafters inc.

2615 Indiana Ave., Chicago, U.S.A.

Cable Address: HALLCRAFT, Chicago

Complete Coverage 34 to
54 MC (8.8 to 556 Meters)



Band Spread Position for
10, 20, 40 and 80 Meter
Bands



Drift Compensation



Wide Range Variable
Selectivity



Noise Limiter



"S" Meter



"Venetian Blind" Tuning
Dial



11 Tubes



8 Position Band Switch



Permeability-Tuned
Crystal Filter Circuit

WORLD'S LARGEST BUILDERS OF AMATEUR COMMUNICATIONS EQUIPMENT

Tell 'Em You Saw It in the Radio Amateur Call Book Magazine

High Frequency Press and Weather

WE WISH TO REMIND ALL OPERATORS TO STRICTLY OBSERVE THE REGULATION REGARDING
SECURITY OF ALL PRESS TRANSMISSIONS, IN ACCORDANCE WITH THE U. S. RADIO LAWS

Confirmations will be appreciated on schedules you are copying above 3000 KC (below 100 metres). These are for the benefit of ships at sea, and the majority of these schedules are interrupted by a three-minute "silent period" at the 15th and 45th minute of each hour. At these times all ship operators are standing-by on 500 KC (600m) for SOS calls of ships in distress.

Note that time given is GMT (Greenwich Mean Time). U. S. Eastern Standard Time PLUS FIVE HOURS = GMT. BB = Major League Baseball Scores. CQ = General call, to all stations. Px = Press News. SX = Stock market quotations. Tx = Time signals. If followed by a number, means only that number quoted. From New York Exchange unless otherwise stated.

Many thanks to operators of KUP, WFD, WHD, WRH, and others, for their help.

GMT	CALL	KC	METRES	LOCATION	TYPE OF TRANSMISSION
0000	FZR4	11990	25.02	Saigon, Fr. Indo-China.	Px In English, Friday only. League of Nations "communiqué épidémiologique."
.....	CHU	7335	40.9	Ottawa, Ont., Canada.	Tx Continuous Service. Simultaneously on 3330kc (90.1m) & 14670kc (20.45m).
.....	LOL	8690	34.52	Darsena Norte, Argentina.	Px In Spanish. Also 285 kc (1053m).
.....	PPR	8310	36.1	Rio de Janeiro, Brazil.	Px In English & Portuguese.
.....	WFC	6785	44.22	New Orleans, La.	Px Until 0030, then Sx & markets, then more Px. Px Simultaneously with WFB on 90kc (3333m).
0030	FZR4	11990	25.02	Saigon, Fr. Indo-China.	Px In French.
0050	DIS	10150	29.557	Nauen, Germany	Px German & World, in German abrv. Daily except Sunday.
.....	DFH	7332	40.918	Nauen, Germany.	Simultaneously.
0057	PLO	11440	26.22	Malabar, Java, D. E. I.	Tx Until 0100. Also PLX on 19.23kc (15600m) except Sun- days.
0100	SAG	8525	35.19	Goteborg, Sweden.	Px Swedish press, in Swedish to all Swedish ships.
.....	WRH	8360	35.89	Carlstadt, N. J.	Px BB of current date. SX10.
0105	NSS	4525	66.298	Annapolis, Md.	Wx
.....	FRK3	7936	37.8	Phu-Lien, Fr. Indo-China.	Wx Until 0120. Observations of 2300 GMT.
0130	NPG	8770	34.21	San Francisco, Calif.	Wx California coast. Also on 42.8kc (7009m) & 108kc (2778m).
0155	XDP	4800	62.5	Chapultepec, D. F., Mex.	Tx Until 0200.
.....	XDD	13043	23	Chapultepec, D. F., Mex.	Tx Simultaneously.
0200	LOL	8690	34.52	Darsena Norte, Argentina	Tx Also on 285kc (1053m).
.....	CHU	7335	40.9	Ottawa, Ont., Canada.	Tx Continuous Service. Simultaneously on 3330kc (90.1m) & 14670kc (20.45m).
0245	NIDF	12615	23.78	U.S.S. Augusta.	Wx Plain language.
0251	FRK2	8570	35	Phu-Lien, Fr. Indo-China.	Tx Until 0300. Simultaneously with FRK on 500kc (600m).
0255	NAA	9250	32.43	Arlington, Va.	Tx Until 0300. Simultaneously on 113kc (2653m), & 4390kc (68.34m).
.....	NPG	12885	23.28	San Francisco, Calif.	Tx Until 0300. Simultaneously on 42.8kc (7009), & 8770kc (34.21m).
.....	NPM	16180	18.54	Pearl Harbor, T. H.	Tx Until 0300.
0300	KUP	6440	46.58	San Francisco, Calif.	Px "Addressed to Paid Subscribers, U. S. Navy & Army Transport SVC," NOTICE: Non Passenger carrying vessels are permitted to copy.
.....	NAA	9250	32.43	Arlington, Va.	Wx Marine-Angot weather, USLHS, Hydro, Ice reports. Simul- taneously on 64kc (4687.5m), 113kc (2653m), and 4390kc
.....	NPG	12885	23.28	San Francisco, Calif.	Wx Hydrographic. Pacific. Simultaneously with 42.8kc (7009m) & 108kc (2778m).
.....	NSS	4525	66.298	Annapolis, Md.	Wx Simultaneously with NAA.
.....	XDP	4800	62.5	Chapultepec, D. F., Mex.	Wx In Spanish.
.....	XDD	13043	23	Chapultepec, D. F., Mex.	Wx Simultaneously.
0330	VAS	8400	35.71	Louisburg, N. S., Canada.	Px Short paid press to Canadian Pacific. Also on 107kc (2804m).
0355	NPM	16180	18.54	Pearl Harbor, T. H.	Tx Until 0400.
0400	KFS	8380	35.8	Palo Alto, Calif.	Wx Transmitting to all commercial vessels, weather bulletins & forecasts furnished by the U. S. weather bureau.
.....	CHU	7335	40.9	Ottawa, Ont., Canada.	Tx Continuous Service. Simultaneously on 3330kc (90.1m) & 14670kc (20.45m).
.....	KUP	6440	46.58	San Francisco, Calif.	Wx Repeat on NPG 0330 sked. Daily including holidays.
.....	NAA	4525	66.298	Arlington, Va.	Wx Coded weather broadcast to Europe.
0415	WSC	8430	35.59	Tuckerton, N. J.	Px R.C.A. subscription Px, BB and Sx. Simultaneously with WGG on 22.1kc (13575m).
.....	FRK3	7936	37.8	Phu-Lien, Fr. Indo-China.	Wx Until 0430. Observation of 0300 GMT.
0418	WSL	5555	54	Sayville, L. I., N. Y.	Px Paid Px. Daily. Simultaneously with WMY on 32.6kc (9200m).
.....	WSL	11115	26.99	Sayville, L. I., N. Y.	
0425	NPO	9250	32.43	Cavite, P. I.	Tx Until 0430. Also 56kc (5357m).
.....	NPO	12630	23.75	Cavite, P. I.	Tx Simultaneously.
0430	NPO	9250	32.43	Cavite, P. I.	Wx Also on 56kc (5357m).
.....	NPO	12630	23.75	Cavite, P. I.	Wx Simultaneously.
.....	WFD	10460	28.68	New Orleans, La.	Wx Simultaneously with WFB on 90kc (3333m)
.....	WFC	6785	44.22	New Orleans, La.	Wx 6785kc in winter, 10460kc in summer.
.....	KPH	8440	35.55	Bolinas, Calif.	Wx Pacific & Lightship weather. Also on 126kc and 436kc.
.....	KPH	12735	23.56	Bolinas, Calif.	Wx Simultaneously.
0440	PLO	11440	26.22	Malabar, Java, D. E. I.	Px In Dutch. Simultaneously with PLA on 19.23kc (15600m) Confirmation requested.
0455	NAA	9425	31.83	Arlington, Va.	Tx Until 0500. Simultaneously on 113kc (2653m), and 8920kc
0500	NSS	4525	66.298	Annapolis, Md.	Wx Hydrographic. Ice reports (in season).
.....	VAI	8330	36.01	Vancouver, B. C.	Px Simultaneously on 118kc (2542m).

COUNT ON ALLIED FOR ALL THE NEW HAM GEAR!

PREMAX

Already in use by hundreds of Amateurs, Premax kits make easy work of the Rotary Beam problem. Elements made of "Corulite," lightweight steel tubing with heavy copper plating inside and out; corrugated for extra strength. Elements are 1" diam. tapering to 3/4", telescopic type, adjustable from 6' to 17'. Positive locking clamps to hold adjustment; three set screws at each clamp provide positive non-corrosive contact. Complete kit consists of set of four elements, eight mounting clamps and connector lugs, and detailed instructions for assembly of 10 or 20 meter rotary beam antenna. Can be used to put up a highly efficient bi-directional W3JK type beam for either 10 or 20 meters, or uni-directional type 20 meter beam. Full instructions tell you how to feed them in a number of ways with open wire lines or low impedance cable. Complete set of four elements as described. Net.....\$14.70

Single "Corulite" elements for the Amateur with an experimental complex. Net each.....3.67

Complete supporting framework for four elements, drilled and fitted with all bolts, etc. Supplied in knock-down form, unpainted. Net.....8.23

Complete framework as above but with two coats of weatherproofing green enamel. Net.....11.17

(See our 1939 catalog for complete Premax listings.)

AMPLEX

Complete motor driven two element Rotary Beam Arrays for either 10 or 20 meters. Fully enclosed motor and gear drive absolutely weather- and fool-proof. Motor is high speed type, coupled to 1863 to 1 gear drive. Actual driven speed of rotation for antenna is only 3/4 of 1 RPM. Rotating table top supported on "Oilite" bearings. Feed system for antenna is through fully enclosed slip-ring and commutator arrangement. All feed line terminals of Alesing 196 insulation. Sturdy cast aluminum alloy housing encloses motor, gear drive, slip-ring assembly, and timer for Remote Direction Indicator. Table top of cast aluminum alloy supports weatherproofed cypress framework for elements. Frame is cut to measure and supplied with all hardware. Antenna elements of corrugated light-weight steel, heavily coated with zinc plating, finished in green weatherproof enamel. Full instructions for assembly make it simple to put up in short time. Feed system uses "Q" bar matching section, fed with open wire line. Complete antenna consists of motor drive unit, framework, all necessary element tubes, and full instructions. Less "Q" bars, and Direction Indicator. Complete two element 10 meter antenna. Net.....\$69.50

Complete two element 20 meter antenna. Net.....74.50

Remote Direction Indicator for either 10 or 20 meter antenna, less two wire cable. Net.....15.00

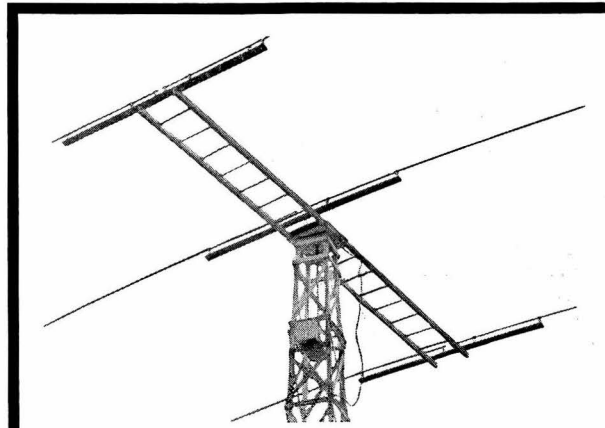
(Write for prices on motors only, less framework and elements. Amplex units available on Time Payments, write for details.)



Howard Model 438

B's brother to the now famous Model 430. Complete tuning range from .54 to 65 MC, which is available separately for continuous coverage of all Amateur and Short Wave Broadcast Bands—8 tubes—RF stage on all bands—Electrical bandspread with separate bandspread dial for easy vernier tuning—Provisions for use of external 6 volt power pack—With or without crystal filter—built-in speaker—2 watts audio output with provision for external speaker—tip jack connections for addition of "R" meter, many other features. Howard Model 438, less crystal. Net.....\$49.95

Howard Model 438, with crystal filter. Net.....59.95



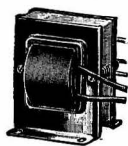
ROTARY BEAM ANTENNAS AND ACCESSORIES

YOU TOO CAN BE Q5-R9! Pep up your 10 and 20 meter rig with a good Rotary Beam Antenna, and watch the QSO score sheet fill up. Don't let the summer go by and miss all the fun. Make up your mind **NOW** to get **YOUR** Rotary—then grab our 1939 Catalog and look 'em over. They're all there—Bassett, Premax, Amplex, Ward, Radiant, and Flexo-Action. Pick yours now—with all the accessories—then if the budget gives you an argument—write for full details on our Time Payment Terms that make it as easy and painless as possible. And **DON'T FORGET!** Allied is Headquarters for Rotary Beams—we have them—and if there are more coming we'll have them too! So don't waste any more time or power—make up your mind now and get going with a "Rotary" of your own.

ALUMINUM CALL LETTER PLATES

Individually cast aluminum plates 7" long, 2 1/4" wide, 1/2" thick. Letters and face of plate highly polished. Black contrasting background of fine wrinkle lacquer. Two tapped holes at rear for 6-32 screws permit easy mounting anywhere. Letters are 1 1/2" raised, flat-face Gothic type. Every plate individually made. Net, \$1.50.

KNIGHT AMATEUR SPECIALS



For the Amateur who demands extra value for his money, here is the complete line of KNIGHT high-quality transmitter components. Made by a leading transformer manufacturer, these units are especially designed for the intermittent service required of the Amateur transmitter. All conservatively rated; many with tapped primaries, porcelain terminals, fully enclosed air-cooled cases, etc.

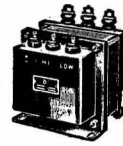


PLATE TRANSFORMERS

E11827.	650 or 500	D.C. volts	@ 200	M.A. Wt.	7 1/2	lbs.	\$3.49
E11828.	1250 or 1000	D.C. volts	@ 300	M.A. Wt.	26 1/2	lbs.	6.88
E11829.	1250 or 1000	D.C. volts	@ 500	M.A. Wt.	35 1/2	lbs.	11.11
E11830.	1800 or 1450	D.C. volts	@ 300	M.A. Wt.	30 3/4	lbs.	10.05
E11831.	2500 or 2000	D.C. volts	@ 300	M.A. Wt.	42	lbs.	12.30

FILAMENT TRANSFORMERS

E11838.	2.5	V. C.T.	@ 5.25	A. 2000	Volt Ins. Wt.	1 1/4	lbs.	\$0.79
E11839.	2.5	V. C.T.	@ 10	A. 2000	Volt Ins. Wt.	2	lbs.	.92
E11840.	2.5	V. C.T.	@ 10	A. 7500	Volt Ins. Wt.	2 1/4	lbs.	1.45
E11841.	5.25	V. C.T.	@ 4	A. 2000	Volt Ins. Wt.	2 1/4	lbs.	1.06
E11842.	5.25	V. C.T.	@ 18	A. 2000	Volt Ins. Wt.	4	lbs.	1.85
E11843.	6.3	V. C.T.	@ 8	A. 2000	Volt Ins. Wt.	1 1/2	lbs.	.92
E11866.	6.3	V. C.T.	@ 0	A. 2000	Volt Ins. Wt.	2 1/4	lbs.	1.45
E11867.	6.3	V. C.T.	@ 10	A. 2000	Volt Ins. Wt.	4	lbs.	1.85
E11844.	7.5	V. C.T.	@ 4	A. 2000	Volt Ins. Wt.	2 1/4	lbs.	1.06
E11845.	7.5	V. C.T.	@ 8	A. 2000	Volt Ins. Wt.	4	lbs.	1.71
E11846.	10.0	V. C.T.	@ 4	A. 2000	Volt Ins. Wt.	3	lbs.	1.58
E11847.	10.0	V. C.T.	@ 8	A. 2000	Volt Ins. Wt.	4	lbs.	2.11

INPUT CHOKES

E11832.	5-20	H. 200	M.A. 2000	Volt Ins. Wt.	4 3/4	lbs.	\$1.98
E11833.	5-20	H. 300	M.A. 3000	Volt Ins. Wt.	9 1/2	lbs.	2.65
E11834.	5-20	H. 500	M.A. 3000	Volt Ins. Wt.	25	lbs.	4.76

SMOOTHING CHOKES

E11835.	12	H. 200	M.A. 2000	Volt Ins. Wt.	4 3/4	lbs.	\$1.98
E11836.	12	H. 300	M.A. 3000	Volt Ins. Wt.	9 1/2	lbs.	2.65
E11837.	12	H. 500	M.A. 3000	Volt Ins. Wt.	25	lbs.	4.76

BASSETT

Enthusiastically accepted by the "boys" all over the country. Lightweight copper plated corrugated steel tubing elements in single cut-to-length pieces. Supplied in complete kits ready to assemble and put into operation. Tubing is self-supporting type requiring a minimum of framework for center assembly. Available in two or three element kits for 10 or 20 meters. Each kit contains necessary elements complete with 6" brass tuning stubs, white wood supporting cross arms, and all mounting insulators and clamps. Complete instructions make assembly and tuning procedure an easy job. Feed line problems reduced to minimum by using special 8 ohm concentric line for three element beams, and 13 ohm concentric line for two element beams. Can also be fed with open wire 600 ohm lines by using the Bassett Concentric transformers. We carry all Bassett Rotary beam kits and cables in stock for immediate shipment. Send us a dime for Bassett Handbook of Rotary Beam Design.

Rotary Beam Kits

Two Element	
10 meter kit Net.....	\$10.50
20 meter kit Net.....	15.50
Three Element	
10 meter kit Net.....	\$15.50
20 meter kit Net.....	22.50

Special 8 Ohm Concentric Line

50 ft. length with end seals. Net.....	\$7.40
75 ft. length with end seals. Net.....	10.15
100 ft. length with end seals. Net.....	12.90

(See complete Bassett listings in our 1939 catalog.)

FLEXO-ACTION

A new motor drive unit for Rotary Beam Antennas that is bound to be exceptionally popular. Designed and developed through extensive field tests under all types of atmospheric conditions, windstorms and even hurricanes! Produced by one of the largest factories in the country specializing in motor driven devices. Heavy, sturdy, cast iron supporting base with mounting holes for lag screws provides solid support for top assembly. High speed, self cooling motor; reversible type, runs either direction and requires only three wire control cable. Driven shaft of 1" cold rolled steel running on ball type thrust and radial bearings. Motor connected to drive shaft through accurately designed cut steel gears. Driven speed of top is exactly 1 RPM. Top of unit, designed to support antenna framework is massive cast iron circular plate with adequate supply of bolt holes; securely fastened to drive shaft by steel pin driven through shaft and top plate. Motor and gear drive covered by metal housing to provide maximum protection against rain, snow and sleet. All parts accurately machined and fitted to provide smooth, trouble-free operation. Reversible; can be turned in either direction. Complete descriptive literature sent on request, or see listing in our 1939 catalog. Priced within the reach of every Amateur, and available on Time Payments if desired.



Meissner Signal Shifter

For quick, accurate control of frequency. Will allow quick QSY over the entire band in 10, 20, 40, 80, and 160 meter bands. Can be link-coupled to transmitter for remote control. Output sufficient to drive RK20's, 802's, 809's, etc.

E9899. Net, with 80-meter coils, but less tubes.....\$39.15

10, 20, 40, 80, and 160 meter coils. Net, per set.....2.45

ALLIED RADIO CORPORATION

833 JACKSON BLVD.

DEPT. 20-C-9

CHICAGO, ILL.

GMT	CALL	KC	METRES	LOCATION	TYPE OF TRANSMISSION
0530	KUP	6440	46.58	San Francisco, Calif.	Px "Addressed to Paid Subscribers, U. S. Navy and Army Transport SVC," NOTICE: Non passenger carrying vessels are permitted to copy.
0555	NAA	9425	31.83	Arlington, Va.	Tx Until 0600. Simultaneously on 113kc (2653m).
0600	WHD	8360	35.89	New York City.	Px CQ—General. New York Times. (0500 during summer time period.)
.....	KFS	8380	35.8	Palo Alto, Calif.	Px Traffic list for KOK, KEK, KFS. Simultaneously with 97.5kc (3075m), 12550kc (23.9m).
.....	LSI	9800	30.61	Monte Grande, Argentina.	CQ until 0800, answers every ship calling on 8332.5kc (36m).
0630	XDB	7380	40.65	Chapultepec.	Px Daily including holidays.
0655	NAA	9425	31.83	Arlington, Va.	Tx Until 0700. Simultaneously on 113kc (2653m).
0700	NAA	9250	32.43	Arlington, Va.	Px Simultaneously on 113kc (2653m).
0755	NAA	9425	31.83	Arlington, Va.	Tx Until 0800. Simultaneously on 113kc (2653m).
.....	NSS	4015	74.72	Annapolis, Md.	Tx Until 0800. Simultaneously on 8030kc (37.34m).
0756	FYB	10581	28.35	Paris-Pontoise, France.	Tx Until 0800.
0800	KUH	8345	35.95	Manila, P. I.	Px Sx50. United Press news, sports, etc.
.....	KUH	11110	27	Manila, P. I.	Px Simultaneously.
.....	CHU	7335	40.9	Ottawa, Ont., Canada.	Tx Continuous Service. Simultaneously on 3330kc (90.1m) & 14670kc (20.45m).
.....	NPG	8590	34.92	San Francisco, Calif.	Wx & Hydrographic. Also on 42.8kc (7009m) & 108kc (2778m)
.....	FZO	15544	19.30	Hanoi, Fr. Indo-China.	Wx Meteorological report.
.....	JNJ	13940	21.52	Nagoya, Japan.	Px CQ—In English until 0820.
0810	KPH	8440	35.55	Bolinas, Calif.	Px Paid. R.C.A./United Press Sx & Px. Also on 126kc.
0815	FGL	6976.7	43	Araouan, Fr. W. Africa.	Wx
.....	FGP	6976.7	43	Agades, Fr. W. Africa.	Wx
0820	FGQ	10344.8	29	Bilma, Fr. W. Africa.	Wx
.....	FRK3	7936	37.8	Phu-Lien, Fr. Indo-China.	Wx Until 0830. Observations of 0700 GMT
0845	FVA	9677	31	Alger, Algeria.	Px In French.
0855	NAA	9425	31.83	Arlington, Va.	Tx Until 0900. Simultaneously on 113kc (2653m).
0900	KUP	6440	46.58	San Francisco, Calif.	Px, Sx "Addressed to Paid Subscribers, U. S. Navy and Army Transport SVC," NOTICE: Non passenger carrying vessels are permitted to copy.
.....	FGF	13043.4	23	Cotonou, Fr. W. Africa.	Wx
.....	LCI	5905	50.8	Jeloy, Norway.	Px CQ—In Norwegian.
.....	LCJ	9980	30.06	Jeloy, Norway.	Px Simultaneously with LCI.
.....	ZSD	8342.6	35.96	Jacobs, Natal, S. Africa.	Wx Simultaneously on 142.9kc (2100m).
0920	FGC	8108.1	37	Conakry, Fr. W. Africa.	Wx
0950	FGJ1	9375	32	Bamako, Fr. W. Africa.	Wx
1000	IAC	12795	23.45	Coltano, Italy.	Px In Italian
.....	IAC	6650	45.11	Coltano, Italy.	Px Simultaneously.
.....	CHU	7335	40.9	Ottawa, Ont., Canada.	Tx Continuous Service. Simultaneously on 3330kc (90.1m) & 14670kc (20.45m).
1010	GIH	10650	28.169	Leaffield, Oxford, England.	Wx Meteorological report. Simultaneously with GBR on 16kc (18750m).
1030	FRK3	7936	37.8	Phu-Lien, Fr. Indo-China.	Wx Until 1050. Observations of 0900 GMT.
1100	LCP	14550	20.62	Jeloy, Norway.	Px Repeated transmission of press sent the previous day from LCI and LCJ.
1118	DAN	12745	23.45	Norddeich, Germany.	Wx From March 21 to September 20, and on 11340kc (26.46m) from September 21 to March 20.
1155	DFC	12985	23.10	Nauen, Germany.	Tx Until 1200. Simultaneously on DFY 1655kc (18127m).
.....	DGZ	14605	20.54	Nauen, Germany.	Tx Until 1200.
.....	NPO	9250	32.43	Cavite, P. I.	Tx Until 1200.
1145	LQC	17660	16.99	Monte Grande, Argentina.	Tx Until 1150.
1200	GIA	19640	15.275	Leaffield, England.	Px CQ—Foreign office press. Daily except Sundays. Simultaneously with GBR on 16kc (18750m).
.....	GIM	12975	23.13	Leaffield, England.	Px Same as above.
.....	CHU	7335	40.9	Ottawa, Ont., Canada.	Tx Continuous Service. Simultaneously on 3330kc (90.1m) & 14670kc (20.45m).
1255	NAA	9425	31.83	Arlington, Va.	Tx Until 1300. Simultaneously on 113kc (2653m).
.....	NPO	9050	33.15	Cavite, P. I.	Tx Followed by Wx Hydrographic. Simultaneously on 22.9kc (13100m).
1300	KTK	6400	46.88	Mussel Rock, Calif.	Px Sx50. United Press news, sports, etc.
.....	KTK	8680	34.56	Mussel Rock, Calif.	Px Simultaneously.
.....	FZO	15544	19.30	Hanoi, Fr. Indo-China.	Wx Asiatic coast.
.....	NAA	9250	32.43	Arlington, Va.	Wx Aviation & Commercial weather. Simultaneously on 64kc (4687.5m), 4390kc (68.34m), 12630kc (23.75m), and 16820kc (17.83m).
1330	WFD	10460	28.68	New Orleans, La.	Px Paid press to KUFC. Repeat on previous day's ball scores. Simultaneously with WFB on 90kc (3333m).
.....	NPG	8770	34.21	San Francisco, Calif.	Wx Aviation weather. Simultaneously on 42.8kc (7009m) & 108kc (2778m).
1350	NAA	4015	74.72	Arlington, Va.	Wx Aviation weather and upper air reports.
.....	NAA	8870	33.82	Arlington, Va., U.S.A.	Wx Simultaneously.
.....	NSS	13575	22.10	Annapolis, Md.	Wx Simultaneously.
1355	W9XAM	4797.5	62.53	Elgin, Ill.	Tx Until 1400.
.....	XDP	4800	62.5	Chapultepec, D. F., Mex.	Tx Until 1400.
.....	XDD	13043	23	Chapultepec, D. F., Mex.	Tx Simultaneously.
1356	LOL	8690	34.52	Darsena Norte, Argentina.	Tx Until 1400. Also on 285kc (1053m).
1400	LOL	8690	34.52	Darsena Norte, Argentina.	Tx Also on 285kc (1053m).
.....	CHU	7335	40.9	Ottawa, Ont., Canada.	Tx Continuous Service. Simultaneously on 3330kc (90.1m) & 14670kc (20.45m).
.....	XDP	4800	62.5	Chapultepec, D. F., Mex.	Wx Daily including holidays.
.....	XDD	13043	23	Chapultepec, D. F., Mex.	Wx Gulf and Pacific weather.
1455	NAA	9250	32.43	Arlington, Va.	Tx Until 1500. Daily except Sundays. Simultaneously on 113kc (2653m), 64kc (4687.5m) & 12630kc (23.75m), 4390kc (68.34m), and 16820kc (17.83m).
1455	NPG	12885	23.28	San Francisco, Calif.	Tx Until 1500. Simultaneously on 42.8kc. (7009m), & 8770kc

Amateurs!

FOR BEST RESULTS USE

STANCOR

PRODUCTS!



Type A-3845 MODULATION TRANSFORMER

This unit was designed especially for the type 53, 6A6, 6N7, etc., tubes as Class "B" modulators and is rated to handle 10 watts of audio power. Its most frequent application is in the low power transmitter or for portable transmitters where physical size and weight are an important factor. It will match load impedances of 5000, 6500 or 8000 ohms and the secondary is rated to carry 100 m.a. D.C. It is beautifully housed in our type "C" case and its overall dimensions are $3\frac{1}{8}$ " high x $2\frac{5}{8}$ " wide x $2\frac{3}{4}$ " deep. It weighs 3 lbs. boxed.

Amateur's net price **\$1.95**

Type P-3535 PLATE TRANSFORMER

This plate transformer is of the universal type and can be used to supply plate voltage for the low power stages of a transmitter or for a low power modulator. The rated voltage output after the filter is 750 volts at 300 m.a. D.C. It is also tapped to deliver 400 and 600 volts D.C. out of the filter. The universal mounting frame is employed so that it can be mounted in any position and heavy lug terminals are used. It weighs 15.5 lbs. and its overall dimensions are $4\frac{5}{8}$ " high x $3\frac{3}{4}$ " wide x $5\frac{1}{2}$ " deep. An outstanding value among plate transformers of its class.

Amateur's net price **\$5.97**

FREE STANCOR HAMANUAL
Write for your copy

● You can meet your transformer requirements for any transmitter circuit with the STANCOR Line and you're *sure* of highest qualities and best results. What's more, STANCOR products are available to you **QUICKLY** because there is a STANCOR distributor near you, wherever you are. Write us for distributor's name and for **FREE** Stancor Hamanual.

The transformers listed here are but a few of the large STANCOR Line.



Type A-3829 MODULATION TRANSFORMER

This transformer was especially designed for use with the type TZ40 tubes as Class "B" modulators. It is conservatively rated to carry 175 watts of audio power and its secondary will carry a current of 300 m.a. D.C. continuously. The primary is tapped for both 6900 and 9000 ohms, and the secondary matches load impedances of 3300, 4000, 5000 and 6250 ohms.

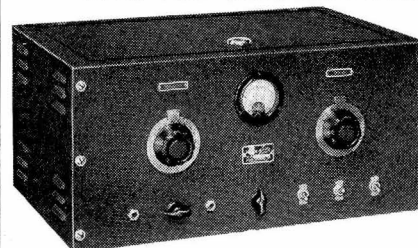
This transformer is an outstanding value as it represents the maximum in watts per dollar for its size. It is a fully shielded transformer with lug terminals on the sides and weighs 11.8 lbs. The overall dimensions are $4\frac{5}{8}$ " high x $3\frac{7}{8}$ " wide x 5" deep. Amateur's net price **\$6.48**

Type A-3835 MODULATION TRANSFORMER

This transformer was designed primarily to be used with amplifiers using type 45, 2A3 or 6L6 tubes and delivering 15 watts of audio power. The regular output transformer on the amplifier is replaced with this unit. The amplifier then becomes a low power modulator matching load impedances of 5350, 8350 or 10,000 ohms. The secondary winding is capable of carrying 100 m.a. D.C. continuously.

The primary winding is tapped for either 3000 or 5000 ohms so that the above tubes can be used with either fixed or self bias. It is conservatively rated, housed in a fully shielded mounting with flexible leads out the bottom and the weight is 5.2 lbs. The overall dimensions are $3\frac{7}{8}$ " high x $3\frac{1}{4}$ " wide x $3\frac{3}{8}$ " deep. Amateur's net price **\$2.82**

NEW 20P TRANSMITTER KIT



Write for literature.

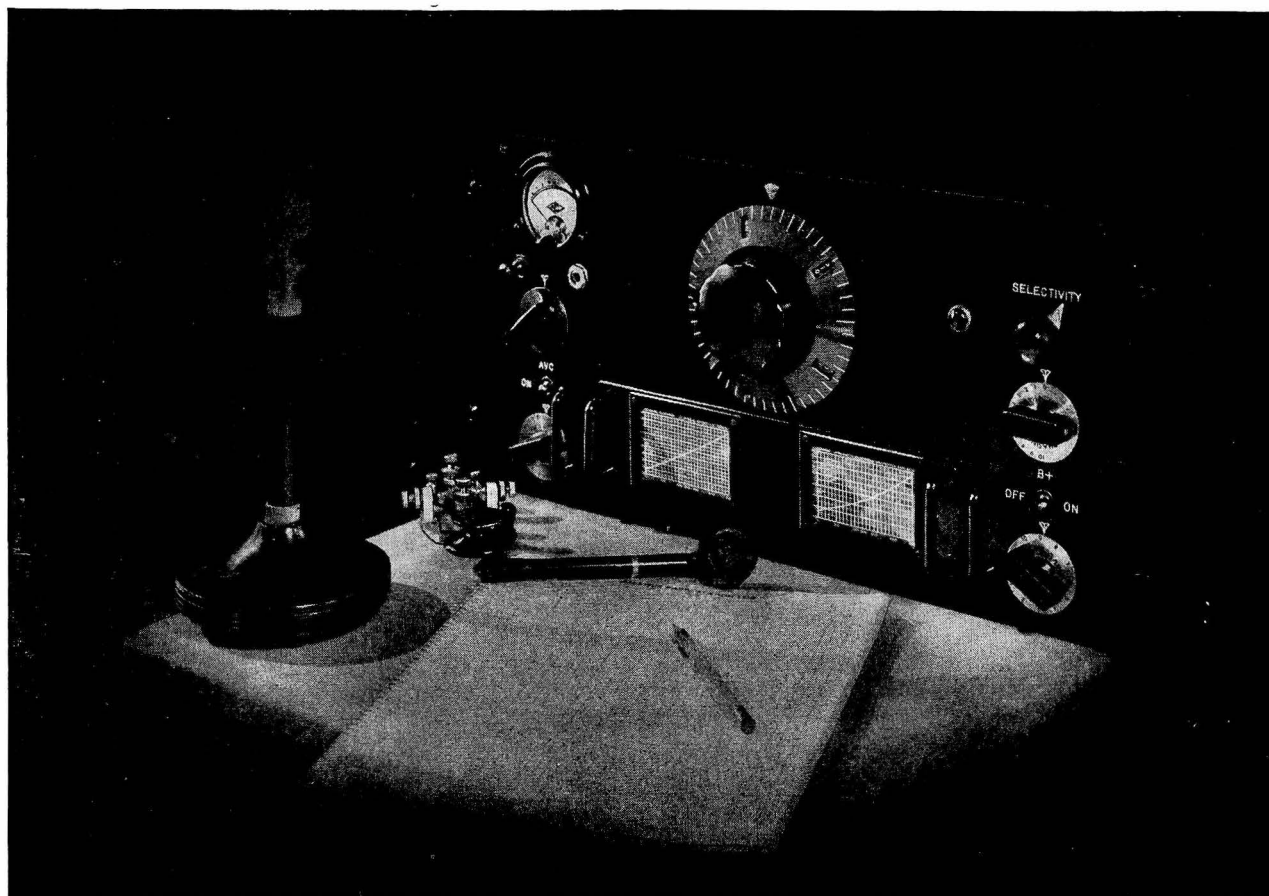
Phone or C.W. 1.6 to 60 megacycles. Crystal controlled. Cabinet measurement — 19 x 13 x 8 $\frac{3}{4}$ ". Amateur's net price, less tubes, cabinet and crystal, **\$34.80**

STANDARD TRANSFORMER CORPORATION

1500 NORTH HALSTED STREET . . . CHICAGO, ILLINOIS

Tell 'Em You Saw It in the Radio Amateur Call Book Magazine

GMT 1500	CALL CLA	KC 9677	METRES 31	LOCATION Habana, Cuba.	Px	TYPE OF TRANSMISSION CQ—Cuban press in Spanish and occasional English, for 15 minutes. Simultaneously with 333kc (900m).
.....	FZG3	10826	27.71	Saigon, Fr. Indo-China.	Px	In French, daily.
.....	XFIA	6976.74	43	Acapulco, Gro., Mex.	Wx	Daily including holidays.
.....	NAA	8870	33.82	Arlington, Va.	Wx	Marine weather, Atlantic. Simultaneously on 64kc (4687.5m), 113(2653).
.....	NSS	13575	22.1	Annapolis, Md.	Wx	Simultaneously with NAA.
1530	NPG	8770	34.21	San Francisco, Calif.	Wx	Marine weather and hydrographic. Also on 42.8 (7009m) & 108kc (2778m).
.....	XFIL	6250	48	Mazatlan, Sin., Mex.	Wx	Daily including holidays.
1545	XDV	6780	44.24	Chapultepec, D. F., Mex.	Px	Daily including holidays.
1555	W9XAM	4797.5	62.53	Elgin, Ill.	Tx	Until 1600.
1600	NAA	13575	22.1	Arlington Va.	Wx	Coded weather broadcast to Europe
.....	CHU	7335	40.9	Ottawa, Ont., Canada.	Tx	Continuous Service. Simultaneously on 3330kc (90.1m) & 14670kc (20.45m).
.....	XFIU	5330	56.3	Veracruz, Ver., Mex.	Wx	Daily including holidays.
.....	XDA	14525	20.65	Chapultepec, D. F., Mex.	Px	Daily including holidays.
1630	WFD	10460	28.68	New Orleans, La.	Wx	Caribbean & Gulf of Mexico, followed by coded Sx. Also WFB on 90kc (3333m).
1655	NAA	9425	31.83	Arlington, Va.	Tx	Until 1700. Simultaneously on 113kc (2653m).
.....	NSS	12045	24.91	Annapolis, Md.	Tx	Most effective frequency used, depending upon season.
.....	NSS	16060	18.68	Annapolis, Md.		
1700	KUH	5555	54	Manila, P. I.	Px	Sx50. United Press news, sports, etc.
.....	KUH	8345	35.95	Manila, P. I.	Px	Simultaneously.
.....	NPG	12885	23.28	San Francisco, Calif.	Wx	Hydrographic. Also on 42.8kc (7009m) & 108kc (2778m).
.....	NSS	9050	33.15	Annapolis, Md.	Wx	Hydrographic. Ice reports (in season). Also NAA on 113kc (2653 m).
.....	KPH	8440	35.55	Bolinas, Calif.	Wx	Pacific & Lightship weather. Also on 126kc, 436kc & 12735kc.
1755	W9XAM	4797.5	62.53	Elgin, Ill.	Tx	Until 1800.
.....	XDP	4800	62.5	Chapultepec, D. F., Mex.	Tx	Until 1800.
.....	XDD	13043	23	Chapultepec, D. F., Mex.	Tx	Simultaneously.
1756	IRG	5450	55	Massua, Erythrea.	Tx	Until 1800.
1800	LVA	10130	29.6	Guatemala City	Tx	
.....	CHU	7335	40.9	Ottawa, Ont., Canada.	Tx	Continuous Service. Simultaneously on 3330kc (90.1m) & 14670kc (20.45m).
1855	NAA	9425	31.83	Arlington, Va.	Tx	Until 1900. Simultaneously on 113kc (2653m).
1900	DLE	10150	29.557	Nauen, Germany.	Px	English copyright from Germany, on East-West directional antenna. Daily except Sundays.
.....	FZS3	9620	31.19	Saigon, Fr. Indo-China.	Tx	Until 1905.
1930	CUY	9419	31.85	Lisbon, Portugal.	Px	In Portuguese. Each word twice. Automatic.
1955	W9XAM	4795.5	62.53	Elgin, Ill.	Tx	Until 2000.
1956	FYB	10581	28.35	Paris-Pontoise, France.	Tx	Until 2000.
2000	CLA	9677	31	Habana, Cuba.	Px	CQ—Cuban press in Spanish, and occasional English, for 15 minutes. Simultaneously with 333kc (900m).
.....	GIC	8640	34.72	Leaffield, Oxford, England.	Px	CQ—Foreign office press. Daily. Simultaneously with GBR on 16kc (18750m).
.....	GIM	12975	23.13	Leaffield, Oxford, England.	Px	Same as above.
.....	CHU	7335	40.9	Ottawa, Ont., Canada.	Tx	Continuous Service. Simultaneously on 3330kc (90.1m) & 14670kc (20.45m).
2030	DLE	10150	29.557	Nauen, Germany.	Px	English copyright from Germany, on North-South Antenna.
.....	DLC	7332	40.918	Nauen, Germany.	Px	Daily. Simultaneously.
2055	NAA	9425	31.83	Arlington, Va.	Tx	Until 2100. Simultaneously on 113kc (2653m).
.....	GIC	8640	34.72	Leaffield, Oxford, England.	Wx	CQ—Meteorological report. Daily. Simultaneously with GBR on 16kc (18750m).
2100	WRH	8360	35.89	Carlstadt, N. J.	Px	CQ—World wide.
.....	IAC	12795	23.45	Coltano, Italy.	Px	In Italian. Simultaneously on 6650kc.
.....	SAG	8525	35.19	Goteborg, Sweden.	Px	Swedish press, in Swedish to Swedish ships.
2150	DLE	10150	29.557	Nauen, Germany.	Px	German press, in German, North-South antenna.
.....	DLC	7332	40.918	Nauen, Germany.	Px	Simultaneously.
2156	LOL	8690	34.52	Darsena Norte, Argentina.	Tx	Until 0200. Also on 285kc (1053m).
2200	XFIA	6976.74	43	Acapulco, Gro., Mex.	Wx	Daily including holidays.
.....	CHU	7335	40.9	Ottawa, Ont., Canada.	Tx	Continuous Service. Simultaneously on 3330kc (90.1m) & 14670kc (20.45m).
.....	XFIU	5330	56.3	Veracruz, Ver., Mex.	Wx	Daily including holidays.
2206	ISG	5450	55.05	Mogadiscio, It. Somaliland.	Tx	At the following times: 2206, 2208, 2210.
2230	KTK	8680	34.56	Mussel Rock, Calif.	Px	Sx50. United Press news, sports. Also on 12495kc & 16740kc.
.....	ZLW	5700	52.63	Wellington, New Zealand.	Px	Daily except Sundays. Also on 375kc (800m)
.....	NAA	9250	32.43	Arlington, Va.	Wx	Cosmic data. April thru November 4390kc (68.34m). November thru March 9425kc (31.83m). Simultaneously on 113kc (2653m).
.....	NSS	9050	33.15	Annapolis, Md.	Wx	Simultaneously with NAA.
2248	LSD	8830	33.98	Monte Grande, Argentina.	Px	"Addressed to Paid Subscribers" until 2315, then traffic for the same until 2345.
2255	NAA	9425	31.83	Arlington, Va.	Tx	Until 2300. Simultaneously on 113kc (2653m).
2300	LCI	5905	50.8	Jeloy, Norway.	Px	CQ—In Norwegian.
.....	LCJ	9980	30.06	Jeloy, Norway.	Px	Simultaneously with LCI.
2320	DLE	10150	29.557	Nauen, Germany.	Px	German, sent in Spanish. North-South antenna.
.....	DLC	7332	40.918	Nauen, Germany.	Px	Simultaneously.
2330	GIC	8640	34.72	Leaffield, Oxford, England.	Px	CQ—Foreign office press. Daily except Saturdays. Simultaneously with GBR on 16kc (18750m).
.....	GIM	12975	23.13	Leaffield, Oxford, England.	Px	Same as above.
2345	LSD	8830	33.97	Monte Grande, Argentina.	Tx	Until 2350.
2350	DLE	10150	29.557	Nauen, Germany.	Px	German Press, in German, North-South antenna.
.....	DLC	7332	40.918	Nauen, Germany.	Px	Simultaneously.
2355	NAA	9425	31.83	Arlington, Va.	Tx	Until 2400. Simultaneously on 113kc (2653m).
.....	DFP	7917.5	37.89	Nauen, Germany.	Tx	Until 2400. Simultaneously on DFY 1655kc (18127m).
.....	DGK	6680	44.91	Nauen, Germany.	Tx	Until 2400.



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